BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Improvements to Roads and Drains at Surrounding areas (Shivapura) of Kogilu Village in Ward No.05, Byatarayanapura Sub Division

		Estimate Cost Rs.						4900000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
	Desilting of Drain								
	Shivapura Main Road		2	250.00	0.40	0.35	70.00		
	1st B Cross		2	45.00	0.40	0.30	10.80		
	2nd B Cross		2	200.00	0.40	0.35	56.00		
			2	60.00	0.40	0.35	16.80		
	3rd B Cross		2	60.00	0.40	0.35	16.80		
			2	60.00	0.40	0.35	16.80		
	4th A Cross		2	180.00	0.40	0.35	50.40		
			2	60.00	0.40	0.35	16.80		
	5th A Cross		2	244.00	0.40	0.35	68.32		
	6th A Cross		2	120.00	0.40	0.35	33.60		
			2	30.00	0.40	0.35	8.40		
	Berm Cutting								
	Shivapura Main Road		2	250.00	0.75	0.25	93.75		
	1st B Cross		2	45.00	0.75	0.25	16.88		
	2nd B Cross		2	200.00	0.75	0.25	75.00		
			2	60.00	0.75	0.25	22.50		
	3rd B Cross		2	60.00	0.75	0.25	22.50		
			2	60.00	0.75	0.25	22.50		
	4th A Cross		2	180.00	0.75	0.25	67.50		
			2	60.00	0.75	0.25	22.50		
	5th A Cross		2	244.00	0.75	0.25	91.50		
	6th A Cross		2	120.00	0.75	0.25	45.00		
			2	30.00	0.75	0.25	11.25		
							855.60	146.88	**125670.00**
	Basic Rate	136.00							
	Area Weightage @ 8%	10.88							
	Total	**146.88**							
2	Removing B.S Slab of Drain and stacking Page No.25/ Item No. 5.32/ PWD SR 2014-15	Sqm							
	Shivapura Main Road		2	250.00	1.65		825.00		
	1st B Cross		2	45.00	1.65		148.50		
	2nd B Cross		2	200.00	1.65		660.00		
			2	60.00	1.65		198.00		
	3rd B Cross		2	60.00	1.65		198.00		
			2	60.00	1.65		198.00		
	4th A Cross		2	180.00	1.65		594.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	60.00	1.65		198.00		
	A Cross		2	244.00	1.65		805.20		
	6th A Cross		2	120.00	1.65		396.00		
			2	30.00	1.65		99.00		
							4319.70		
	Deduct 25% Missing Slabs						1079.93		
							3239.78	58.32	**188944.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2014-15	Sqm							
			Qty Vide Item No.3				3239.78		
							3239.78	**75.60**	**244927.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
	For Missing slabs (25%)		Missing Slabs				1079.93		
							1079.93	639.36	**690461.00**
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Total	**639.36**							
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 154/ Item No. 20.18/ PWD SR 2014-15	Cum							
	Shivapura Main Road		1	250.00	5.50	0.20	275.00		
	1st B Cross		1	45.00	5.00	0.20	45.00		
	2nd B Cross		1	200.00	5.00	0.20	200.00		
			1	60.00	5.00	0.20	60.00		
	3rd B Cross		1	60.00	5.00	0.20	60.00		
			1	60.00	5.00	0.20	60.00		
	4th A Cross		1	180.00	5.00	0.20	180.00		
			1	60.00	5.00	0.20	60.00		
	5th A Cross		1	244.00	5.00	0.20	244.00		
	6th A Cross		1	120.00	5.00	0.20	120.00		
			1	30.00	5.00	0.20	30.00		
							1334.00	1438.56	**1919039.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRRB 500-4: providing and applying **mer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.4/ PWD SR 2014-15	Sqm							
	Shivapura Main Road		1	250.00	5.50		1375.00		
	1st B Cross		1	45.00	5.00		225.00		
	2nd B Cross		1	200.00	5.00		1000.00		
			1	60.00	5.00		300.00		
	3rd B Cross		1	60.00	5.00		300.00		
			1	60.00	5.00		300.00		
	4th A Cross		1	180.00	5.00		900.00		
			1	60.00	5.00		300.00		
	5th A Cross		1	244.00	5.00		1220.00		
	6th A Cross		1	120.00	5.00		600.00		
			1	30.00	5.00		150.00		
							6670.00	31.32	**208904.00**
	Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	**31.32**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 174/ Item No. 21.20/ PWD SR 2014-15	Cum							
	Shivapura Main Road		1	250.00	5.50	0.025	34.38		
	1st B Cross		1	45.00	5.00	0.025	5.63		
	2nd B Cross		1	200.00	5.00	0.025	25.00		
			1	60.00	5.00	0.025	7.50		
	3rd B Cross		1	60.00	5.00	0.025	7.50		
			1	60.00	5.00	0.025	7.50		
	4th A Cross		1	180.00	5.00	0.025	22.50		
			1	60.00	5.00	0.025	7.50		
	5th A Cross		1	244.00	5.00	0.025	30.50		
	6th A Cross		1	120.00	5.00	0.025	15.00		
			1	30.00	5.00	0.025	3.75		
							166.75	8475.84	**1413346.00**
	Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	**8475.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Lead for Disposal of Debris shall be payable as carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				855.60		
							855.60	68.12	58283.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2014-15 (P.130/I.17.1) For loading and unloading	63.00							
	Total	**68.12**							
							Grand Total		4849574.00
9	For 1% Third Party Charges								48496.00
10	Miscesallaneous Charges	L/S							1930.00
								Total	4900000.00

Rupees Forty Nine Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
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Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Technical Sanction
Accorded For ....49.00 lakhs.
Head of A/C....P-3089
CER NO :.....23..... **Dt:**..21.8.15

TA CE (YNK)

ADMINISTRATIVELY SANCTIONED FOR Rs. 49.00 lacs
Rupees Forty nine lacs only
Under 005-16-000015-/P-3089
Registered as EE( ) No.
Subject to conditions
enclosed memo EE( ) No.
Dt. Estimate
J.C(4)PR/AS/12/15-16
dated 20-8-2015 Rs. 49.00 lacs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92